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25X1A

This document contains information referring to Project CHALICE

24 October 1958 CHAL-0367 Copy 5 of 5

MENORANDUM FOR: Special Assistant to the Director for Planning and Development

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: Deputy Director, DFS/DCI

SUBJECT

: Rear View Mirror

MIXELECE

: CHAL-0277

after pilot stops seeing them.

observer is less.

longer.

\$A.Ker	l. In answer to your memorandum dated 6 August concerning the rese visy mirror installation, the following is a recep of action
	2. On or about 15 August, the drawings and photographs showing exterior mounted rear view mirror installation were sent to 25X1A was requested to run functional flight tests on this item to determine the property how accurately the pilot could see his own contrail.
infor en 22 From	3. On 21 October was requested to furnish mation concerning the rear view mirror. This query was answered to etaber haswer:
-	*1. Reference mirror installed on 378. Effect on performance extinated to be negligible.
	"2. Functional flight tests showed following:
	ea. In climb, observing airplane can see contrail approximately 4500 feet before pilot can see in mirror.

*b. Contrails still exist for approximately 4500 feet

"d. In gust position, contrails can be seen scener and

"s. In descent the difference between mirror and

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4. Information available in this office does not indicate that any tests were made concerning the ability of the pilot to detect intercept aircraft. It is planned to request to perform functional tests in order to determine if the rear view mirror is effective along this line. These tests will be run in conjunction with other activities at A possibility to incorporate	25X1A
these tests with the tests exists.	0EV4A
	25X1A
5. It may be noted in pere 3, that #349	25X1
has a modified mirror installed which is alightly cleaner and allows	051/44
pilots to comment on this modified mirror installation.	25X1A
6. Based on information received from and indications from tests, it is felt that the drag is negligible. It is Operation opinion that this installation is a valuable asset. The need will include the green on, consistent with estimates of future Russian canability intercept. With your approval Operation's will request to investigate the feasibility of coming up with one suitable answer to the Centrail-intercept problems.	376686
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DPS/DCI/VFE:vrs Distribution:

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Orig - Addresses

2 - Dep. Dir. DPS

3 - Ope Subj

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5 - CHAL Chron